

Oarsmen Bow to Princeton And Harvard in Triangular Regatta on Charles River

CRIMSON SHELLS WIN VARSITY AND JAY VEE EVENTS

Tigers Take Freshman and 150
Pound Races With M.I.T.
A Close Second

CLASS RACES SATURDAY

Harvard and Princeton oarsmen carried away the honors in the triangular regatta on the Charles River Saturday afternoon, when Crimson shells took first places in the Varsity and Junior Varsity races and the Tiger blades flashed across the line for victory in the lightweight and freshman events.

Technology Varsity oarsmen, stroked by Richardson, leaped out for a short lead at the start which Harvard soon closed up and at the half mile mark this well rowed Crimson shell had taken a one length lead over the Engineer boat with Princeton a very close third.

Harvard Leads by Two Lengths at Bridge

As the trio streaked under the bridge, Harvard was ahead by a good two lengths, with the prows of M. I. T. and Princeton even for second place. A hard and even battle waged between these last two boats until within a hundred yards of the finish line when the Tigers managed to raise their beat a few strokes higher than that of the Engineers and crossed the line just one second ahead of them after Harvard had taken a four length victory.

As Referee Robbins gave the word for the Junior Varsity race M. I. T. again took the start. At the half mile mark the boats were closely bunched together with Technology slightly in the lead. Soon Harvard began to forge ahead and Princeton came up almost abreast of the Engineers.

Harvard Leads at Mile

At the mile mark Harvard was leading by a good length with Princeton second, leading the Beavers by a quarter length. In the last three-quarter of a mile the Crimson margin was increased to two lengths, with the Tigers second, a half length ahead of M. I. T.

The Lightweight event yielded Princeton one of her two victories of (Continued from Page Three)

Seniors Lose To Sophomores, 13-7 In Baseball Game

Eight Run Rally in Fourth by
Victors Wins Opening
Interclass Game

Last year's champions, the Class of 1931, were defeated in their first Interclass baseball game last Friday afternoon by '33, last year's tailenders, in the opening game of the season. The final score was 13-7 in the five-inning game played on Coop Field. Johnny Harrison, captain and forward of the basketball team this year, and Fred Feustel, the other forward were opposing pitchers, while Adam Sysko, guard on the same team, was on the receiving end of Feustel's pitching. The game was featured by long hits and spurts of good pitching.

Harrison opened the scoring in the Seniors' half of the first inning with a home run over the left fielder's head with a man on first base. The Sophomores came back in their half, however, and scored three times on hard hit balls and some sloppy fielding in spots by the Seniors.

Again '31 forged ahead in the second, when McKenzie hit a ball between third and short which rolled on to the fence in left field, after two men had succeeded in getting on base. The second year men were unable to score in their half of the inning when Harrison struck out three men.

Seniors Add Two More

Two more runs were added to the Seniors' total in the third on a walk, an infield hit and a long triple to the left field fence. This was the last of the Seniors' scoring. Feustel holding them scoreless and practically hitless for the remaining two times at bat.

Coming to bat in the last of the fourth with the score 7 to 5 against them, after having scored twice the preceding inning, '33 staged a big rally, twelve men coming to bat and eight of them crossing home plate. Before the slaughter was over, Harrison had left the box, and seven hits had been chalked up for the victors, including three doubles.

Wall, first baseman for the Sophomores led the hitting with four out of four, and three runs to his credit.

Tonight, at five o'clock the freshmen and Juniors will open their season on the Coop Field.

Students May Secure Annuals in Main Lobby

Techniques for the year 1931 may be obtained in the Main Lobby of Building 10 at any time today between the hours of 10 o'clock and 3 o'clock. Only those persons having paid for and redeemed their signups will be able to obtain a copy. There will be no extra copies on sale. After today men possessing signups may exchange them for a copy of Technique at any time in the Technique office on the third floor of Walker Memorial.

VARSITY TRACKMEN PULL DOWN FOURTH PLACE AT HARVARD

Frosh Win Second, Bettered
Only By Harvard—Grondal
Captures Shot Put

VARSITY SCORE TOTALS 27

Scoring in nine events, the Technology track team took fourth place in the annual Greater Boston Intercollegiate Track meet at Harvard Stadium, last Friday and Saturday. Captain Bror Grondal took the only first place to the credit of the Institute, by putting the shot 43 feet 11 1/8.

Besides the tallies he made in the shot, Grondal took a fourth place in the discus. Robertson and Hazeltine captured seconds in the javelin and the pole vault, respectively. Hazeltine tying Bennett of Harvard with a jump of 12 feet. The winning mark for the javelin was not as good as the one that Robertson set in the last Interclass meet, and it was a disappointment to everyone that a capable man should be defeated by unavoidable breaks.

Runner Scores in Weights

Bill Moody, an ex-miler on the Institute team, pulled down a third place in the hammer throw. This year, Moody decided to forsake the run in favor of the weights, and has made some spectacular throws. U. F. Soisalo, who has been jumping all winter, and who was a standby for his freshman team last year, jumped into third place with a distance of 21 feet 1 3/8 inches.

Fourth places were taken for the Varsity in the mile run by MacKay, in the two mile by Don Gilman, by Ev Coon in the high jump, and as before mentioned, by Bror Grondal in the discus. The remaining place was a fifth scored by L. A. Green in the pole vault.

Freshmen Make Better Showing

The freshman team made a better showing by bringing home a second place in the final score of the meet. First place was made in the mile run by R. E. Mann, who was followed closely all the way to the tape by Charlie Hall, who ended up in third position, a Harvard man coming between them.

High score for the team goes to Captain Dick Bell, who added nine points to the total of the freshmen. He won the 220-yard dash in 23 1/5 seconds, excellent time considering all conditions, and barely failed to take first in the century dash.

Hill Takes Hurdles

Charlie Hill, who has been improving in the dashes and hurdles all throughout the winter, won the 220- (Continued on Page Three)

BEAVER KEY SOCIETY HOLDS REELECTIONS

Error In Ballots Causes Second Election Wednesday

Re-elections to the Beaver Key Society caused by the erroneous spelling of the name of one of the nominees on the ballots will be held this Wednesday. The mistake was not noticed until noon on the day of the original elections, and it was judged that the only fair means of rectifying the situation would be to hold a second election this Wednesday.

Ten men have been nominated for the Society by the members elect of next year, and from these ten six must be chosen. Voters are requested to indicate at least six of the nominees in numerical order of preference. All members of the present Sophomore Class are urged to take part in the elections.

Eddie Morris Announces New Leaders of Technique And Sets Off The Ill-Famed Rush

Heim Will Be New Head of Technique For Coming Season

Eliassen, Lyon, Loustaunau,
Will Assist In 1932
Publication

Theodore R. Heim '32, is the new General Manager of the 1932 Technique. He will be assisted in the publication of next year's yearbook by Rolf Eliassen '32, Editor; John C. Lyon '32, Managing Editor; John J. Loustaunau '32, Business Manager. These new elections to the Senior Board were announced from the top of striped hut in the center of the football field by "Eddie" Morris preceding the Technique Rush.

For the Associate Board to help with the details of collecting and putting together the material for Volume XLVII the following names were announced: Advertising Manager, Charles W. Harper '33; James E. Norcross '33, Features Editor; Carl J. H. Wahlstrom '33, Photographic Manager; Seibert Q. Dunphy '33, Departments Editor; Edward R. Loftus '33, Literary Editor; Marvin J. Silberman '33, Art Editor; Foster R. Jackson '33, Snapshots Editor; Theodore H. Morehead '33, Assignments Manager; William H. Poisson '33, Associate Advertising Manager; William W. Hartz '34, and Julius Goldberg '34, Associate Circulation Manager.

Heim Last Year's Business Manager

Heim has worked for the yearbook since his freshman year, in 1930 being selected for Departments Editor and last year acting as Business Manager. He is from St. Joseph, Mo., and was prepared at St. Joseph Junior College. He is a member of the honorary journalistic fraternity, Pi Delta Epsilon, the Technique society Grogo, and a member of the Sigma Chi Fraternity.

Eliassen, the new Editor from Belmont, Massachusetts, a member of Pi Delta Epsilon, and Grogo. Managing Editor, Lyon is a native of Pittsburgh and a graduate of Peabody High School in Pittsburgh. Besides being a member of the two journalistic societies he was manager of intramural football and the rifle team during the past year. He is a member of the Theta Chi Fraternity. Loustaunau, of San Antonio, Texas, a graduate of the St. Mary's Academy was a crew man during his freshman and sophomore years.

TWO SHOTS START FIGHT FOR ISSUES OF NEW YEARBOOK

Fraternity Men Secures First
Paddle Amidst Fierce
Struggle

ARE NO SERIOUS INJURIES

Two shots; sixty bodies hurled themselves at a pile of eight or ten small paste-board boxes and the Rush was on. With the fraternities much in the minority having only three or four men entered, they made the most of the occasion and Robert N. Emery, '34, a cox on one of the freshman crews and a fraternity man dived into the center of the struggling humanity and emerged dripping with oil the first paddle extended in his hand.

Charles E. Starr, '31, the retiring General Manager of the Technique proved to be the hero of the day. He sacrificed a pair of white flannels and a creamy white sweater to the cause of oil, for as he poured the oil on the hut a blast of air caught the falling liquid and covered him literally from stem to stern.

Another Shot Started the Fight
Following the second shot the howling mob flung itself on the brightly checkered, oil covered, hut where from a hole in the top issued the much sought paddles. Before the others knew what it was all about John B. Sprega, '33, had captured the second paddle and turned it over to the officials at the table on sidelines all bespeckled with black crank case oil. After six of the wooden sticks had been secured a halt was called to permit the battlers to catch their breath.

Path and Fox Movietone men were on the sidelines and caught pictures of the encounter in its wildest moments, taking shots of several of the winners with their oil grimed faces and the excited spectators which lined the field on all sides.

Organization Is the Keynote
The individual entry stood as much chance of securing a paddle as the independent grocery stores have of competing with the chain store. Organization meant everything. The teams were usually made up of two men one light one and a heavyweight (Continued on Page Three)

Interesting Idea Given in Regard To Former Chemistry Laboratories

Lowell Institute Courses Open To Feminine Students Before 1870

Some time ago there appeared in one of the Boston papers an illustration with the caption "M. I. T. Laboratory Class in 1869." The illustration showed numerous feminine figures in the act of carrying liter bottles and suction filters from one end of the laboratory to the other, with a few appearing hard at work at the desks.

Since it was known that women were not admitted to the Institute as students until 1870, the illustration intrigued the sceptical reporter, and he proceeded to investigate. His investigations brought to light an interesting article which appeared in Frank Leslie's Illustrated Newspaper, 1869, during the time the late William B. Rogers was President of Technology.

Information by Mrs. Spofford

This article, by Mrs. Harriet Prescott Spofford, contained some informative items. It explained the matter of the feminine figures: "The Institute of Technology is itself closed to female students, but the course of lectures and instruction provided for by the fund of the Lowell Institute are open to those of either sex." Evidently those of either sex availed themselves of all privileges, for Mrs. Spofford goes on to state that in one chemistry class about half the members were women.

We find, too, the women were good students, for, ". . . what was extraordinary, while in a rainstorm many of the young men found it inconvenient to be present, not one of the young women was ever known to be absent."

Women Have Better Attendance

This speaks extra-well for the young women in view of the fact that there were no bus—and street car—connections available; the illustration shows, too, that the ladies wore bustles and remarkable sleeves, and these added limitations in the way of bulk and weight.

Mrs. Spofford was tremendously impressed by the amount of practical learning compressed into each course. For instance, "A great feature in the Institute is a course of study in physics. . . ." The course in physics remains a great feature in the Institute.

They were pretty rigorous in those days about laboratory fees. When a man broke any of his dishes in the chemistry laboratory, he must pay for it "on the spot," to quote Mrs. Spofford. The money was paid to the lady in the supply room, who, by her "honesty and diligence saved the Institute yearly great sums of money."

To judge from Mrs. Spofford's description of the chemistry laboratory—in the basement at the Rogers building—it was pretty complete. There was a closet in which the student might change his apparel before and after working. We deduce from this that chemicals were pretty hard on the clothes in those days.

Model Railroad in Civil Engineering Department Proves Popular Exhibit

Old and Young Attracted By Miniature System in Building 1

Not only did the children display a keen interest in toys, but large numbers of adults were attracted by the model railroad system on exhibition in Building 1 during Open House. The system in all of its details was constructed by the students in the course of railroad operation in Civil Engineering.

Even the maintenance of such a small layout has difficulties as the visitors soon perceived. The curves used on main lines of the road were much sharper than those built on real railroads, and frequently some of the equipment left the rails. Changes in the number of trains required a change in the power supply and it was hard to keep the locomotives at a constant speed.

Visitors Amused
Roars of laughter greeted the efforts of one of the luckless students running the trains. On the spur of the moment, it was decided to add an extra car to one of the long freights in order to cut down on the speed of the engine. The train having stopped for one of the automatic block signals, the locomotive was disconnected and while the young man in question was occupied elsewhere, the signal changed from red to yellow, the engine sped up the track leaving the rest of the train behind it.

Included in the system were approximately 200 feet of two and a quarter inch track and more than 2,000 feet of wiring was necessary for the automatic devices which controlled the movements of the trains. One of the most spectacular features of the operations was the control of trains approaching a crossing. These miniature flyers were brought to a halt by the automatic train control devices, and when one train was on the crossing another could not pass the danger signal on its own particular branch of line.

Trains Will Not Collide
Use of the same controls prevented a train from running into another from the rear. Only one train at a time could operate in any particular section of track, and any other approaching that section would automatically stop. To relieve the difficulties of operating four trains of varying speeds simultaneously, a long siding accommodated the slower freight trains at intervals so that the faster trains might get in the front again.

Highway crossings were guarded by flashing danger signals and crossing gates that lowered automatically upon the approach of a train. The rolling stock of the system was the finest that could be found and included six locomotives representing both the steam and electric types. Four trains were in operation at one time with various types of passengers and freight cars in use.

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"... AND A FAME FOREVER SECURE"

TO JUDGE from the great number of visitors and the amount of activity yesterday in every sector of the Institute's plant, the 1931 Open House Day was a tremendous success. It is so necessary that this day be a success, that we of the student body feel it our duty to express our gratitude and admiration to the men who have made the occasion possible.

The entire affair was in the hands of a student committee, which practically single handed, planned and programmed the whole of the exposition. The members of this committee have had no easy task, for through their efforts the mass of events and exhibits have been outlined and appropriately placed. These men have performed their duties with admirable conscientiousness, and to them the undergraduate body, the Faculty and the Corporation is greatly in debt.

The many separate departments of instruction which carried out their own special exhibits are deserving of our notice. The Faculty and student members of these divisions are to be congratulated upon the fine manner in which their every exhibit was presented. Special exhibits, of which there was no small number, were all made possible by the unselfish interest of industrial concerns in the Institute. We owe our thanks to these companies, for these exhibits formed an interesting and instructive part of the Open House program.

Lastly, there are the undergraduate activities, and the various clubs and societies which contributed their share to the day's success. Walker Memorial was the scene of many interesting exhibits and events, along with the Coop Field, Hangar Gym, Track Field, and the Charles River Basin. The interest which spectators showed in student functions only serves to indicate the tremendous part which the undergraduate body played in making the day successful.

There seems no need to enlarge upon the advantages and contributory factors which are incurred by a well conducted Open House Day. It has been made possible only by the cooperation and unselfishness of a great number of differing movements. It is altogether fitting that each of these movements be thanked for their undivided efforts, and it is our wish that they realize that the student body appreciates the services which they have rendered.

HALF A HEART

ELSEWHERE in this issue is found a communication from "Phosphorus" which, we presume, is intended to defend Voo Doo against the accusation that it is not living up to the policies which should be incorporated into the college humorous publication.

A study of this letter will reveal that our foolish contemporary has chosen to avoid the issue wherever possible. The editorial in question, run in this paper April 17, asserted that Voo Doo is given to publish the sort of humor that is not in good taste, and we shall continue to hold to that opinion. As for the comic's weak rebuttal—"Honi Soit qui mal y pense,"—so much bosh! The Institute's humorous publication has in the past, and will probably continue in the future, to carry the reputation of being a "daring" collection of border line humor, and it is our demand that an effort be made to clean up this situation. There is a type of humor that has its double meaning, but the leaning is too much toward the shadier side in Voo Doo, as everyone must admit.

We feel it a privilege to extend to Voo Doo our gratitude for making some attempt at constructive criticism of THE TECH. We would urge the publication, however, to go a little deeper and to use a little more care. Proof errors are bound to occur in every publication, and unfortunately, do offer the first and easiest basis for criticism. Beside the greater purpose of the paper, they are nothing. Why touch only the surface, Phos? We had hoped that your insight and intelligence would allow a more thorough investigation.

Instructors Enjoy Their Work, Says Faculty Member in Short Interview

One of Institute's "Demon" Professors Talks During Reporter's Visit

When the engineer has finished his work, when the contractor has gotten the last of his equipment from the Job, and when the new structure is all ready for the grand opening, the members of the technical staff can look at their work, and call it good. There is a visible evidence of their work, and they have something of which they can feel proud.

When the professor has finished his work, when the student has put his books away, and when the examinations have all been corrected, the members of the faculty of an educational institution can look at their work and call it good. But although there is no visible evidence of their work, they too have done something of which they can justly feel proud.

Do Profs Enjoy Their Work

Do professors have a feeling of pride in their work; does an instructor enjoy his teaching; does he feel a surge of accomplishment when he has initiated a fresh class into the mysteries of the material he presents? These are some of the questions that may arise in the minds of students when they try to think of their instructors as regular people and not as demons who are doing their best to keep one from passing a course required for graduation.

With the idea in mind of determining how faculty members feel about this part of their work, a reporter called on one of the Institute professors who has a wide reputation for being extremely hard on his students—perhaps even inhumanly hard on the minds of those taking the course. The visit was strictly a non-professional one, and the conversation as far as possible was kept away from "shop talk." It was merely a little personal call.

Profs Do Enjoy Their Work

Professors do enjoy their work, and they really do experience that feeling of accomplishment when their classes have successfully grasped the principles of a new subject. Their sense of a job well done is just as real as that of an engineer who can stand and see his work successfully completed.

The faculty member tried to explain: there is nothing tangible except the examination grades, but even so there comes a certain feeling of accomplishment when thirty men unacquainted with a subject at the beginning of a term are able to demonstrate their knowledge and to pass an examination. He has imparted this knowledge, and whether or not the class has learned anything, whether the men have become acquainted with the material, whether they are able to pass the examination depends on the man-

ner in which he has been able to "put across" the subject.

Faculty Members Feel Satisfied

Faculty members feel well-satisfied and have that contentment coming from a job well-done when they realize that their efforts have been successful. This much was disclosed soon after the question of whether instructors get a satisfaction from teaching was asked. Professors are human, they enjoy seeing their work end successfully; failing students is not their one aim in life despite the fact that some men would have one think so.

Do they enjoy their work? If the instructor who spoke to the inquiring reporter for something over a half hour is typical of those at the Institute, they do.

Enjoys Class Periods

In reply to questions about whether he enjoyed his classroom teaching, this professor, supposedly a bear for working the students, smiled and said that he actually does like his class period. He enjoys presenting a new subject to the students, questioning them about what they know or are supposed to know, relating the actual work being presented to practice.

This last phase of teaching appeals to him especially, he likes to explain the relation of the theory to practical applications in engineering work. It makes the subject alive, and he regrets that he doesn't have more time to devote to this phase of his work.

Likes To Present Fundamentals

Every engineer has to have the fundamentals, he can't practice without them. Realizing that the elementary work he gives is essential, this faculty member thoroughly enjoys his work: presenting such material to men training to enter the profession carries a "big kick."

At the end of the short, informal, non-professional visit, the reporter was thoroughly convinced that professors are human after all. They do enjoy their work, there does come to them a satisfaction from the realization that they have done a job well, and this satisfaction is just as real as that of any engineer.

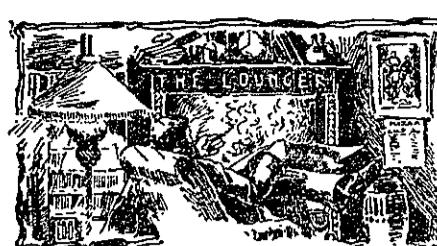
AWAY FROM THE GRIND

Perhaps because it was the weekend of Open House and perhaps as an expression of the spirits that Spring has aroused in them, the engineers of Technology gave vent to their social feelings on Friday and Saturday when Beaver Key and four fraternities held dances.

Starting the short season of social activity, the S. A. E.'s entertained about 75 couples Friday night with dancing from 10 till 3 o'clock. Music for the occasion was furnished by the Blue Vagabonds from New Hampshire State College. Chaperones for the evening were Mr. and Mrs. Lynn S. Goodman. Refreshments served at midnight served to divide the evening into two parts.

The Beaver Key Society, as a feature of Open House, gave a very popular tea dance Saturday afternoon in

(Continued on Page Four)



Open House comes but once a year, and the Lounger routed from his accustomed place of repose in Walker Memorial by the many peering visitors joined in the throng of curious and went searching. Searching for novelty, scientific information, adventure, romance, or what have you.

And speaking of adventure and romance, this old boy had never seen so many beautiful women in the austere halls in this institution in many a day. Oh, that we had an Open House once a month. The Lounger is sure that such an arrangement would benefit everyone by re-confirming his faith in the fact that there are actually some good-looking girls in the world.

Laugh if you will, but the Lounger will almost swear that he saw the little girl from Wellesley that he has been trying to meet for a month or more.

This person who delights in resting his weary body in the deep recesses of just the proper chair, was actually exerting himself so far as to be passing out copies of THE TECH (compliments of the staff, lady, take one!) (No advt.) when she came up during a lull in business. She took the proffered complimentary paper (very unusual this complimentary feature) and then stood there smiling while the keeper of the booth, none other than this one himself, began explaining that there were four undergraduate publications at the Institute and that THE TECH was the only one that amounted to a damn. She smiled still more sweetly when this old graybeard realized that she wasn't interested in papers.

A faint glimmer of recollection dawned on the mind of the Lounger, he was ready to speak to her, but she was gone. A slight wave of goodbye, and opportunity was gone forever. The Lounger cursed himself softly under his breath. The chance of a lifetime—bungled. And that, ladies and gentlemen, constitutes the tragedy of Open House.

Completely down-hearted and absolutely disconcerted, the erstwhile newsboy deserted his post and made his way through the crowds to the main buildings. Crowds! Building 2 at 11 o'clock is as nothing compared to the Dynamo Lab during the day. The best exhibition to the mind of this bard who has seen countless Open House days (P. S. The Lounger can count to five), was not something by the Electrical Department, nor was it a display of the protégés of Eddy Miller, and it wasn't the train in Building 3. Instead of being the subject of much preparation and even more mental anguish for those in

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Colorado School of Mines
School of Mineral Industries

Golden, Colorado

Tennis Team Wins From Holy Cross By Score of 5 to 4

Close Meet Decided By Jones-Studley Doubles Win—Dame Defeated

Technology's tennis team took their second meet of the year Saturday afternoon from the Holy Cross team at Worcester by a score of 5-4.

Jones, Ross, Regan and Feustel won their singles matches, and the doubles team of Jones and Studley won the fifth and deciding match for Technology. Captain Frank Dame lost his match to Nicholsen of Holy Cross, but had just emerged from the hospital last week and was not in the best condition for the matches. For this reason he was not entered in the doubles.

Dame Loses in Close Match

Dame and Nicholsen played a three set match that ran into two overtime sets. Dame took the first at 6-3 but dropped the two remaining sets, 9-7 and 8-6. The only other overtime match was Jones-Studley, McLaughlin-Foy doubles match, which was the deciding factor of the meet. The Holy Cross pair took the first set 6-3, but Jones and Studley came back to take the next two 6-3 and 6-4.

Fred Feustel won his singles match and played in the doubles match with Ford after having pitched an Inter-class game Friday afternoon.

Summary of the meet:

Singles—Nicholsen (H C) defeated Dame (T), 3-6, 9-7, 8-6; Jones (T) defeated McLaughlin (H C), 6-3, 6-1; Keanon (H C) defeated Studley (T), 7-5, 6-4; Regan (T) defeated Foy (H C), 6-4, 6-4; Feustel (T) defeated Cahill (H C), 9-7, 6-3; Ross (T) defeated Carroll (T), 7-5, 6-3.

Doubles—Jones-Studley (T) defeated McLaughlin-Foy (H C), 3-6, 6-3, 6-4; Keanon-Nicholsen (H C) defeated Regan-Ross (T), 6-4, 6-3; Carroll-Road (H C) defeated Ford-Feustel (T), 7-6, 6-4.

VARSITY TRACKMEN IN FOURTH PLACE

(Continued from Page One) yard low hurdles by a clear margin over the next man, who happened to be from Harvard. Following in the Harvard's man's tracks was Lockhart, of Technology, who finished third.

Only one man, Crosby, was entered in the high hurdles, but he managed to pull a second place out of the stiff competition. J. Smith, one of the best of the half milers, who has stayed with Charlie Hall in the toughest races, was able to score only a third. Hall decided not to enter the half, in order to give himself a better chance in the mile.

Final Score of 64 Points

Final score of the freshmen was 64 points, and they were led only by Harvard, with a total of over one hundred points. This meet definitely gives the yearling team a high rating. It has been progressing all season, until now, but with this excellent record, more success may be expected than before.

618 UNDERGRADUATES ON SCHOLASTIC LIST

Publishing Ratings of Those with Rating of 3.50

Six hundred and eighteen undergraduate students of Technology received a term rating of 3.50 or better for the first semester of the 1930-1931 school year, according to the bulletin just published. The list is divided into groups of first, second and third rank according to their scholastic achievement.

Students in the first group constitute 3.5 per cent of the class in the freshman year, 1.5 per cent in the second, 2.5 per cent in the third, and 1.5 per cent in the senior year. Students in the second rank in the first year include 8 per cent of the class, 5.5 per cent in the second year, and 7 per cent in the third and fourth years. In the third rank 17 per cent of first year students are included in the list, while 13.5 per cent of the second and third year students, and 14.5 per cent of the fourth year class hold this rank.

Students of Sweet Briar are fined ten dollars when they return late from a vacation, without having submitted the required explanation to the Dean previous to the reopening of classes.

Three young men at the University of Alabama are keeping down expenses concurrent to getting an education by living in a tent and cooking their own meals. One of them is a senior in engineering while the other two are freshmen.

They cook their own meals on a camp stove in the rear of the tent and draw water from a neighbor's well. A lantern furnishes them light.

They are said to have counted their money and, finding it would not last through the session, they devised the unusual method of living. It seems to work well, for they all get good grades.

Fraternity House Burns As Men Play Scotchmen

"HELP! FIRE! FIRE!" was the cry that suddenly went around the monastic confines of a certain fraternity house a short time ago. Everybody stopped what they were doing and gathered around to offer suggestions, look on, and enjoy themselves. The practical thing to do seemed to be to call the fire department. But . . . the telephone was a toll affair, one of those things which has to be bribed with a nickel before it will work. Nobody, of course, had a nickel. Things began to look interesting. The engineers, not being willing to lose their comfortable house because of the lack of a nickel, consulted their slide rules. Suddenly, one of the strong glanced up excitedly. "Gang, I've found it! She'll work on a dime!" No sooner said than done. The alarm sounded, the firemen came and the day was saved.

HARVARD AND TIGERS VICTORS IN REGATTA

(Continued from Page One) the day by the well-manned shell containing three oarsmen who rowed in the eight oar shell which captured the American Henley Cup last year and who later rowed in the English Henleys. They crossed the line a length ahead of the Engineers and two lengths ahead of the Crimson boat.

M. I. T. and Harvard Take Lead

For the first minute of rowing Technology and Harvard fought for first place with the Tigers slightly in the rear. At the bridge Princeton had come up to Harvard and seemed to be slowly gaining the needed quarter length which would bring her prow up to Technology's. At the mile mark it was clearly a Princeton-Technology race with the margin of about half a length in favor of the Tigers.

Beats went up and in the last twenty strokes the Princeton oarsmen added another half length to their lead over the Engineers with Harvard another length in the rear. The shell used by the winners was a new one modeled after the famous Flying Dutchman used by the Princeton Varsity but with no sacrifice in length.

Freshmen Have False Start

Yearling oarsmen got off to a false start when No. 2 of the Beaver boat jumped his slide after about five strokes. Referee Robbins called the shells back and soon had them off again with little delay. They were all abreast of one another until Harvard Bridge where Kellogg of Princeton caught a crab and despite his quick recovery, gave the Crimson boat a chance to take a slight lead.

By the time the mile mark was reached the Tigers had overcome this and M. I. T. began to slowly pick up with Harvard a fraction of a length behind and looking rather ragged. Princeton, rowing the highest beat and looking somewhat better than the other crews, crossed the line three-quarters of a length ahead of the Engineers who were trailed at another half length by the Crimson yearlings.

Lineups:

VARSITY RACE—1 3/4 MILES

Won by Harvard—C. Holmes; S. Cassidy; 7. Saltonstall; 6. Bacon; 5. Bancroft; 4. Webster; 3. Erickson; 2. Hallowell; B. Holcombe. Time 9:44 4:5.

Second Princeton—C. Colmore; S. West; 7. Dayton; 6. Merrill; 5. Pease; 4. G. Williams; 3. Sherman; 2. Botzow; B. Pilau.

Third M. I. T.—C. Whitaker; S. Richardson; 7. Miller; 6. Valentine; 5. Cimoroff; 4. Regan; 3. Pleasant; 2. Hapgood; B. Thielker. Time—10:00 2:5.

JUNIOR VARSITY—1 3/4 MILES

Won by Harvard—C. Stebbins; S. Lawrence; 7. Hollingsworth; 6. Robertson; 5. Buckley; 4. Hovey; 3. Locke; 2. Swaim; B. McKesson. Time—10:06 3:5.

Second Princeton—C. Kennedy; S. Crane; 7. Kellogg; 6. Pelt; 5. Skillman; 4. Tasker; 3. Cummings; 2. LaFean; B. Miller. Time—10:12 3:5.

Third M. I. T.—C. Dunlap; S. Trimble; 7. Glenn; 6. Evans; 5. Dunning; 4. Cummings; 3. Birdsell; 2. Binner; B. MacLeod. Time—10:14.

150-POUND VARSITY—1 5/16 MILES

Won by Princeton—C. George; S. Hardy; 7. Hallett; 6. Moore; 5. Drewry; 4. Davis; 3. Mackus; 2. Sieminski; B. Robertson. Time—7:32 4:5.

Second M. I. T.—C. McMahon; S. Barnes; 7. Walsh; 6. Levine; 5. Anderson; 3. Casey; 3. Raymond; 2. Wallenstein; B. Christie. Time 7:36 3:5.

Third Harvard—C. Becker; S. Prince; 7. Lincoln; 6. Lombard; 5. Woodward; 4. Wiggins; 3. Gilbert; 2. Campbell; B. Perry. Time—7:40 3:5.

FRESHMEN—1 3/4 MILES

Won by Princeton—C. Turner; S. Wilsey; 7. Wood; 6. Pfauher; 5. Hamilton; 4. Howell; 3. Kellogg; 2. Smith; B. Alden. Time—9:56.

Second M. I. T.—C. Humphries; S. Westfall; 7. Locke; 6. Nowatt; 5. Lowenstein; 4. Nordos; 3. Nashner; 2. Roulston; 1. Wing. Time—9:58 2:5.

Third Harvard—C. Litchfield; S. Hunt—but; 7. Stackpole; 6. Whipple; 5. Breckinridge; 4. Nazro; 3. Lawrence; 2. Knowles; B. Kirkland. Time—10:00 2:5.

THE MIDLSHIPMEN AT ANNAPOLIS

The midshipmen at Annapolis now rate their dates on a numerical basis. A "4.0" girl is ideal in looks, dancing, personality, and so forth. A "2.5" girl is just passing. Anything above "3.5" is highly desirable.

A professor at Illinois asserts that men should wear dresses.

GOLF TEAM TIED BY WORCESTER, 3 TO 3

Yates Wins Match Easily With Low Score of Meet

Worcester Polytechnic Institute and Technology were unable to decide anything on the golf course last Saturday when they fought out their match to a 3-3 tie on the Weston Country Club course.

Captain Dick Yates led the field in the match with a low score of 81, and defeated the number one man on Worcester's team, Head, by the overwhelming score of 5 up and 4 to go. George Churchill was not so fortunate, losing a very close match to Kowalski of Worcester 1 up on the last hole. His putting was a little off and was largely responsible for his loss. However, in the foursomes matches, the two were able to defeat these two opponents.

Metcheir won his singles match, but Farnside lost his, as did the both of them in their foursome match against Brown and Johnson of Worcester. Today the team travels to Providence to meet the team from Brown University.

Summary of the meet:

Singles—Yates (T) defeated Head (W), 5 and 4; Kowalski (W) defeated Churchill (T) 1 up; Brown (W) defeated Farnside (T), 4 and 3; Metcheir (T) defeated Johnson (W), 3 and 2.

Foursomes—Yates and Churchill defeated Head and Kowalski, 3 and 2; Brown and Johnson defeated Metcheir and Farnside, 2 and 1.

A fraternity Easter egg hunt was held at Alabama Polytechnic Institute, Auburn, Alabama during the holidays.

Edwin Fanko Goldman, celebrated bandmaster, led the Boston University band in several numbers at a recent concert.

Twenty-nine Harvard crews paraded on the Charles for news reel photographers last week-end.

Change Time of Class Races for Richards Cup

Richards Cup Races, originally scheduled for 5 o'clock Saturday, May 9, will be run at 8 o'clock in the morning instead. This arrangement will enable all those taking condition exams on this date to row. Anyone physically fit is eligible to row in these races and all those interested are urged to report as soon as possible at the boat house on any afternoon at 5 o'clock.

Away From the Grind

(Continued from Page Two) Walker Memorial gym from 3 to 6 o'clock. During the entire afternoon, the floor was filled with couples dancing to the music of the Techtonians. Somewhat camouflaged by the stage set that had been erected by the Tech Show, the gym proved to be one of the most popular places during the afternoon, and was at many times crowded with dancers and spectators.

Saturday night three fraternities held open house dances. The Phi Beta's, the Deke's and the Sigma Nu's all entertained with dances at their respective houses. About 75 couples attended the D. K. E. dance at which the Copley Plaza orchestra played from 10 till 3 o'clock. Mr. and Mrs. Robert Daley acted as chaperones. As is customary at this house, no decorations were used.

Between 75 and 100 couples attended the Phi Beta dance held at their house on Memorial Drive. Music for dancing from 9:30 to 2 o'clock was furnished by the Fox Furrier Orchestra. Mr. and Mrs. Charles T. Abbott served as chaperones for the dance.

Getting away from the formality that has attended most of the dances given during the winter, the Sigma Nu's held an informal dance the same evening. With the windows and doors of the house open, a spring-like spirit

TECHNIQUE RUSH IS INTERESTING EVENT

Dormitories Secure Majority Of Free Yearbooks

(Continued from Page One) to boost him up. The Dormitories were well represented with about fifty men and the only paddle that the fraternities were able to secure was the one Bob Emery snatched at the very start.

In the midst of the fighting a rip was heard and the pants fell away from Donald Henderson, '32, causing a big laugh in the crowd. Nothing daunted, Henderson grabbed for himself the next paddle and called it quits.

Twenty Techniques were given out to the weary contestants in the basement of Walker Memorial after they had cleaned up their spattered figures.

American tourists in Havana found everything deserted at night. All the saloon and bar-keepers had gone to church.

A life insurance company has discovered that college-bred men live longer than any others.

R. O. T. C. military training is compulsory at ninety colleges and elective at thirty-six.

In the blizzard of 1888 Yale students were imprisoned in rooms as activities were suspended for a whole week.

Sixteen colleges in Pennsylvania have abolished spring football practice a survey by the Penn State Collegian

seemed to pervade the entire group of about 100 couples. Art Marshall's orchestra played from 9 o'clock till midnight. Chaperones for the evening were Mr. and Mrs. Robert Littlefield.

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OFFICIAL BULLETINS OF GENERAL INTEREST

Building Construction

Mr. Thomas F. McSweeney '16
Monday, May 4, 10 A.M., Room 1-134

A course of illustrated lectures on "The History of the Art of Building" is being given under the auspices of the Department of Building Construction during the second term by Mr. McSweeney '16. Open to students and members of the instructing staff.

Welding

Mr. Peter P. Alexander
Monday, May 4, 4:00 P.M., Room 4-156

A series of lectures on "The Metallurgy of Welding and Its Industrial Application" is being given during the second term under the auspices of the Department of Mining Engineering and Metallurgy, by Mr. Alexander, Research Engineer, Thomson Research Laboratory, General Electric Company. Open to students and members of the instructing staff.

CALENDAR

Monday, May 4

5:00 P.M.—Instrumental Club rehearsal, East Lounge, Walker Memorial.
6:00 P.M.—Alpha Phi Delta business meeting, Faculty Dining Room, Walker Memorial.
7:30 P.M.—Armenian Club play rehearsal, West Lounge, Walker Memorial.

DOOM PREDICTED FOR DOODLE BUG IN NEXT REVIEW

Mr. Beers Tells of Displacing Of Ancient Wizardry by Modern Science

MAY ISSUE INTERESTING

Ancient wizardry of the divining rod has been doomed by modern Geophysics, says Roland F. Beers in his article, "Doodle-Bugs Deposed," in the May issue of The Technology Review.

In this interesting article, Mr. Beers tells how the "doodle-bugs" (as the men who claim to be successful with the divining rod are called) show the location of oil by means of a forked branch from a peach tree. It is true, he says, that there have been some successes by means of this peach branch method—the stick snaps out of position in the vicinity of oil—but for every success there are scores of failures.

Given Scant Consideration

It is easily understood that in this scientific age, a doodle-bug is given but scant consideration in the hunt for oil; modern Geophysics has given oil men four distinct methods for locating oil-bearing regions. These are the electric, magnetometric, gravimetric, and seismic methods. Each one is necessary for different regions, and each one may be used to a better advantage than any of the others under certain conditions.

To show how necessary it is to have reliable methods, a well which may cost from \$15,000 to \$500,000, can be reported by seismograph for \$100 to \$150. Thus all expense may be saved if the seismograph shows an unfavorable result. This method, by the way, is the most expensive.

Science Developing Rapidly

Mr. Beers says that this new science, due to the fact that it fills a long felt want and attracts young engineers, has gone ahead rapidly. "The biggest factor in the present rate of growth," he says, "is caused by its own momentum. Nearly every major company has some large part of its development work devoted to Geophysics."

"Steaming Up," by Harold E. Lobdell, discusses the possibility of electricity displacing steam on the railroads and the improvements which have taken place in locomotives since their invention. There is a photograph of a locomotive incidental to the article (page 380) which is very good.

Translation on Alchemy

There is a translation from the Chinese of the earliest known treatise on Alchemy, by Tenney L. Davis and Lu-chiang Wu. It is excellently handled, and the treatise itself has a dignity and old world flavor which is attractive after the terse language commonly employed by scientific men. The article is entitled "The Pill of Immortality."

Robert E. Rogers' "Babble in the Air" asks "Are the Public and the Newspapers Ready to Rebel Against Indiscriminate Broadcasting?" It tells some interesting things about the salaries of a few of the Radio attractions, and makes some very sensible suggestions about how to get the most out of radio.

Moving of Indiana Company

There is a short article called "11,000 Tons on Wheels" which tells graphically of the moving of the main office of the Indiana Bell Telephone Company at Indianapolis, Indiana, without halting long distance, local telephone and house services.

INSTITUTE'S DOORS ARE THROWN OPEN TO LARGE CROWDS

Annual Open House Attraction To Thousands of Guests On Saturday

EXHIBITS INTEREST MANY

They came, they saw, they went away with a new idea of Technology.

Thirty thousand visitors, according to an official estimate by Robert S. Backus, '31, chairman of the Open House Committee, came to the Institute Saturday afternoon and evening on the occasion of the Ninth Annual Open House, inspected the buildings, saw demonstrations of the latest advances in many fields of science, viewed displays of the latest equipment for use in certain branches of industrial and commercial activities, witnessed the many varied phases of Institute work and student activities, gained new impressions of Technology and went away carrying with them their new impressions of the Institute and its work.

Day Was Remarkable Success

Planned and executed entirely by the students through the Students Combined Professional Societies, the organization connecting the twelve student professional groups, the Ninth Annual Open House was a complete success.

The expected number of visitors to Technology was far exceeded, and the demonstrations and displays were such that throughout the entire period of eight hours, while Technology played host to an admiring public, there were crowds of eager, interested spectators before each one.

Serious and Otherwise Shown

Both the serious side of student work and the less serious part were shown visitors Saturday. The results of graduate and under-graduate work as well as the actual work of preparing the material used in the displays was shown to the visitors. Exhibitions of student work were to be seen at various places throughout the buildings, and laboratory sessions were being held in several courses.

In order that the guests of the Institute would not carry away the impression that Technology was a place for work exclusively, the various student activity offices were open to inspection, and athletics had a large place in the program for the afternoon. A triangular regatta on the Charles with Princeton and Harvard rowing against Tech in four events was the outstanding sporting event. Exhibitions of boxing, wrestling, fencing, gym work were held. A soccer game with Harvard began in the Coop field at 2 o'clock.

Co-eds Entertain

The annual Technique Rush for paddles entitling their owners to free copies of the year book was held on the Tech Field where the well-greased hut of the annual had been set up the previous day. Tech Show presented skits from "Technicalities" and the Musical Club gave a concert.

For the young lady guests of the Institute, Cleofan, the co-eds' social organization, was at home in the Margaret Cheney Room and the Emma Rogers Room during the entire day.

Every Department Operating

During the whole of Open House Day every department of the Institute was operating, showing its work and demonstrating for the visitors the latest developments in its fields. Student work and advanced graduate activity was shown. Spectacular displays by many departments drew crowds wishing to see and desiring to learn more about what they did see.

All the way from the Dorms and Walker Memorial on one edge to the Aeronautical Building and the Foundry, on the other, the Institute was open for inspection, with some form of demonstration or exhibition being held in every part.

R. O. T. C. Acts as Guides

During the day freshmen members of the R. O. T. C. acted as guides for the visitors and distributed the official programs and complimentary copies of the special Open House number of THE TECH. Answering questions, directing Institute guests to the rooms they wished to visit, and suggesting displays that should be seen, the R. O. T. C. rendered valuable service.

As an additional feature of military activities, the band of the R. O. T. C. gave a concert in the Great Court at 7:45 o'clock. Previously it had played at the formal Guard Mounting.

Directed by Professional Societies

All the activities of the day were under the auspices of and were arranged for through the activity of the Combined Professional Societies, which is composed of the following student groups: The Aeronautical Engineering Society, the M. I. T. branch of the American Chemical Society, the American Institute of Electrical Engineers, the American Society of Civil Engineers, the American Society of

Review of Year's Activities

TECH ENGINEERING NEWS

Tech Engineering News, the under-graduate professional magazine of Technology, is this year completing its tenth year as one of the four major publications. Originally planned as a supplement to The Tech in which the achievements of the leading engineers and scientists appeared together with articles of general technical interest, T. E. N. soon assumed the status of an independent publication. Since that time it has been issued monthly during the school term in magazine form, and now enjoys a circulation of two thousand readers.

Unlike most college engineering publications, T. E. N. contains few student written articles. Professors and members of the instructing staff of M. I. T. and prominent engineers and scientists in professional practice are constant contributors to its pages. Their articles have an authoritative standing recognized over the entire country, and the staff is continually receiving requests for further detailed information on some new device or process which has been described in the magazine. When the Cadillac sixteen cylinder motor was introduced, T. E. N. was the first publication in the country to publish the technical details of its construction.

The editing and business management of T. E. N. by the students offers an unusual opportunity to those interested in a really live extra-curricular activity. The staff averages forty members, divided into the two major departments, the editorial and the business.

The editorial staff members have a wide range of activities. They solicit articles on recent engineering developments, and thus make many valuable contacts with men high in professional work. They edit the manuscript, write editorials and special features, thus gaining valuable experience in technical and semi-technical writing. Under the direction of the managing editor the freshman staff members assemble the copy, illustrations, and advertisements into the complete magazine and supervise its printing. Ability to write well is not a requirement for membership on the editorial staff, and the experience gained in this department is of great value.

In the business department, advertisement management, circulation, publicity, sales promotion, and the treasury offer a wide range of activity for those interested in business management. Modern salesmanship is taught and practised, and contacts with leading engineering concerns are part of the day's work. The method of accounting and financing the magazine is up-to-date; the training gained in cost control and general management is unusually complete. Men in the business department have the benefit of intimate acquaintance with modern business methods, so necessary to success in any field today.

This work, interesting as it is, is broadened by a lively social program of smokers and banquets held throughout the period of the publication, so that the entire staff becomes a group of fellow-workers and social friends. The method advancement from the freshman staff to positions on the managing board is strictly impartial, each man being judged for his interest and merit alone. The call for freshman candidates each fall is followed by a regular program of advancement covering the entire college career of each student with the exception of the last term of his senior year. To be a member of the staff or Board of T. E. N. is a mark of being connected with one of the leading undergraduate publications in America.

As an example of the activity of T. E. N., the May issue, to be released

Mechanical Engineers, the Architectural Society, the Army Ordnance Association, Corporation XV, the Mining Engineering Society, the Naval Architectural Society, the Sedgwick Biological Society, and the Society of Automotive Engineers.

In direct charge of the preparations made for the event was a committee chosen by the Combined Professional Societies. Under the direction of this central committee, each department prepared its exhibit and made plans for demonstrations at hours when they would not conflict materially with those of other departments.

OFFER SCHOLARSHIPS TO GREEK STUDENT

Three Scholarships of \$100 each are offered by the Scholarship Committee of the Greek-American Intercollegiate Club of New York City for the academic year of 1931-32. These scholarships are open to Technology students of Greek descent. Further information concerning these scholarships may be obtained by calling at the office of the Dean on or before May 15.

on the thirteenth of this month, we feature eight articles on modern electrical developments and practice. The last issue of each school year is usually an issue specializing in one particular field of engineering. Last May an aeronautical issue was published this year Electrical Engineering is featuring. In the forthcoming issue appear articles by such men as E. G. W. Swann, Director of the Bart Research Laboratories whose article on Faraday is the leading feature. E. Swann, one of the Aldred lecture this year, is particularly fitted to the commemorate the Faraday anniversary being celebrated this year. E. Frank Elder of the General Electric Research Laboratories writes on the triatron, a new vacuum tube device which has gained unusual prominence in the control of large amounts of electric power. Professor Timbrell of the Institute Staff in the Electric Engineering Department has written a short history of his profession which interestingly tells the story of electricity from its earliest beginnings to the present day.

The interest is not wholly confined to electricity, however. Professor Thomson of the Institute shows the interconnection between electricity and chemistry in his article on the application of electric power in the chemical industry. Other articles treat the new methods in arc welding, elevator practice, and other subjects of interest not only to the course student but also to the general reader. Special sections on new books, editorials, and abstracts from leading professional journals also appear in each issue.

For next fall the editor has been promised an article on the unusual subject of "Electronic Engineering" by Dr. T. J. Killian, a comparative modern branch of the electrical industry having to do with vacuum tubes and their applications. The first complete description of the new photo-electric cell organ developed by Professor Hardy and Sherwood Brown of the Physics Department will also appear next fall.

T. E. N. has a dual service to offer for the students of Technology. For its staff members it offers interesting and valuable work, for its subscribers it offers authoritative articles on the achievements of modern engineering

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